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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/817,323	03/26/2001	Barry Lynn Royer	2001P04784Us	8853

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Siemens Corporation
Intellectual Property Department
186 Wood Avenue South
Iselin, NJ 08830

EXAMINER

DAVIS, ZACHARY A

ART UNIT	PAPER NUMBER
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2137

DATE MAILED: 09/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/817,323

Applicant(s)

ROYER ET AL.

Examiner

Zachary A Davis

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) ✓
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 20010412, 20030131.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Objections

1. Claim 10 is objected to because of the following informalities: the claim ends with the phrase "and a non-encrypted session identifier; and" and does not end with a period. It is assumed that the claim is intended to read "and a non-encrypted session identifier." Appropriate correction is required.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 4, 18, and 24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Specifically, Claim 4 states that the URL processor "processes a URL link to a second application differently to a link to a web page provided by said first application". Similarly, Claims 18 and 24 state that a URL processor generates "a URL link to a second application differently to a URL link to a web page provided by said first application". These limitations are generally vague, as it is unclear exactly in what ways

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the processing and generating are performed differently. These limitations render the claims indefinite.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-24 are rejected under 35 U.S.C. 102(e) as being anticipated by Calamera et al, US Patent 6463533.

In reference to Claim 1, Calamera discloses a system including an input processor that receives an encryption key (column 8, lines 46-47), a URL processor (Figure 2, Alias Generation Server System 30) that encrypts a URL address portion (DOMAIN and PATH, column 8, lines 43-48) based on an identified type of URL (column 8, lines 43-48), and a communication processor that includes the processed URL in web page data (ALIAS, column 8, lines 58-60).

In reference to Claim 2, Calamera further discloses receiving the encryption key from a managing application (Figure 3, Alias Server System 42; column 5, lines 49-60).

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In reference to Claim 3, Calamera further discloses communicating the address portion to a managing application for encryption (Figure 3, Alias Server System 42; column 8, lines 43-46).

In reference to Claim 4, Calamera further discloses that the URL processor adaptively processes a URL link (column 7, lines 30-36).

In reference to Claim 5, Calamera further discloses that a URL link can include an encrypted portion and a non-encrypted portion (column 8, lines 58-60).

In reference to Claim 6, Calamera further discloses a browser application providing a user interface for providing user identification information (ID, as defined in column 7, lines 35-36; column 6, lines 8-10) and authenticating the user identification information (column 8, lines 16-18).

In reference to Claims 7 and 8, Calamera further discloses compressing the address portion with a hash function (column 8, lines 48-50).

In reference to Claim 9, Calamera further discloses communicating the address portion to a managing application for compression (Figure 3, Alias Server System 42; column 8, lines 52-54).

In reference to Claim 10, Calamera further discloses an encrypted URL address portion and a session identifier (column 8, lines 52-58).

In reference to Claim 11, Calamera discloses a system that includes a managing application (Figure 3, Alias Server System 42). Calamera further discloses an application including an input processor that receives an encryption key (column 8, lines

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46-47), a URL processor (Figure 2, Alias Generation Server System 30) that encrypts a URL address portion (DOMAIN and PATH, column 8, lines 43-48) based on an identified type of URL (column 8, lines 43-48), and a communication processor that includes the processed URL in web page data (ALIAS, column 8, lines 58-60).

In reference to Claim 12, Calamera further discloses communicating the address portion to the managing application for encryption (Figure 3, Alias Server System 42; column 8, lines 43-46).

In reference to Claims 13 and 14, Calamera further discloses compressing the address portion with a hash function (MD5, column 8, lines 48-50).

In reference to Claim 15, Calamera further discloses communicating the address portion to the managing application for compression (Figure 3, Alias Server System 42; column 8, lines 52-54).

In reference to Claim 16, Calamera discloses a system including a browser application providing a user interface for providing user identification information (column 6, lines 8-10). Calamera further discloses an application including a URL processor (Figure 2, Alias Generation Server System 30) that encrypts a URL address portion (DOMAIN and PATH, column 8, lines 43-48) based on an identified type of URL (column 8, lines 43-48) and a communication processor that includes the processed URL in web page data (ALIAS, column 8, lines 58-60).

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In reference to Claim 17, Calamera further discloses communicating the address portion to another application for encryption (Figure 3, Alias Server System 42; column 8, lines 43-46).

In reference to Claim 18, Calamera discloses an application including a URL processor (Figure 2, Alias Generation Server System 30) that adaptively encrypts a URL address portion (DOMAIN and PATH, column 8, lines 43-48) and a communication processor that includes the processed URL in web page data (ALIAS, column 8, lines 58-60).

In reference to Claim 19, Calamera further discloses an encrypted URL portion and a non-encrypted URL portion (column 8, lines 58-60).

In reference to Claim 20, Calamera discloses a system including a browser that includes a user interface for providing user identification information (column 6, lines 8-10), a URL generator (Figure 2, Alias Generation Server System 30) for generating a URL with an encrypted URL address portion (DOMAIN and PATH, column 8, lines 43-48) and a session identifier (column 8, lines 52-60), and a processor communicating the generated URL once the user identification information is validated (column 8, lines 16-18).

Claim 21 is directed to a method corresponding substantially to the system of Claim 1, and is rejected by a similar rationale.

In reference to Claim 22, Calamera discloses a method including enabling a first application based on validation of user authentication information (column 8, lines 16-18), encrypting a link to the second application (column 8, lines 43-48), including the link in data representing a web page, and communicating the web page data (column 8, lines 58-60).

Claims 23 and 24 are directed to a method corresponding substantially to the systems of Claims 11 and 18, respectively, and are rejected by a similar rationale.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. Levergood et al, US Patent 5708780, disclose an access control system including a URL containing a hash of an encrypted session identifier.
- b. Reiche, US Patent 6092196, discloses a user authentication system that includes encoding and encrypting identifying information into a URL.
- c. Ruben et al, US Patent 6138237, disclose a system for protecting access to network resources including encrypted and hashed certificate URLs.
- d. Dias et al, US Patent 6170017, disclose a method and system that performs user authentication and uses encrypted session IDs in URLs.

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- e. Moore et al, US Patent 6330575, disclose a method and system for developing web pages that includes encrypted information in URLs.
- f. Schmeidler et al, US Patent 6374402, disclose a secure content delivery system including a launch string that is compressed and encrypted to form a processed URL.
- g. Todd, US Patent 6463418, discloses a transaction system that includes encrypted transaction information in URLs.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zachary A Davis whose telephone number is (571) 272-3870. The examiner can normally be reached on weekdays 8:30-6:00, alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell can be reached on (571) 272-3868. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Matthew A. Smithers
MATTHEW SMITHERS
PRIMARY EXAMINER
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